

WHAT IS CLAIMED IS:

- 1           1.     A guide for tip to transmission path contact, said guide comprising:
  - 2           (a)     at least one guide insulator;
  - 3           (b)     at least one passageway defined by said at least one guide
  - 4                     insulator, said at least one passageway having a tip passageway
  - 5                     end and a transmission path passageway end;
  - 6           (c)     said tip passageway end suitable for at least partially
  - 7                     accommodating said tip;
  - 8           (d)     said transmission path passageway end suitable for at least
  - 9                     partially accommodating a transmission path; and
  - 10          (e)     said tip contacting said transmission path through said at least one
  - 11                     passageway when said transmission path is positioned in said
  - 12                     transmission path passageway end and said tip is positioned within
  - 13                     said tip passageway end.
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- 1           2.     The guide of claim 1 wherein said guide facilitates relatively secure
- 2     contact between said tip and said transmission path.
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- 1           3.     The guide of claim 1 wherein said guide insulator is removably
- 2     interconnectable with a circuit board component having at least one transmission path.
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- 1           4.     The guide of claim 1 wherein said tip passageway end guides said
- 2     tip towards said transmission path.
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1                   5.     The guide of claim 1 wherein said at least one passageway  
2 includes a contact enhancing mechanism.

1                   6.     The guide of claim 1 wherein said at least one passageway  
2 includes a contact enhancing mechanism, said tip indirectly contacting said  
3 transmission path via said contact enhancing mechanism.

1                   7.     The guide of claim 1 wherein each said at least one guide insulator  
2 is at least one divider guide insulator.

1                   8.     The guide of claim 1, each said at least one guide insulator further  
2 comprising a mounting apparatus and at least one divider guide insulator.

1                   9.     The guide of claim 1, each said at least one guide insulator further  
2 comprising a mounting apparatus integral with at least one divider guide insulator.

1                   10.    The guide of claim 1 including at least two guide insulators, said at  
2 least two guide insulators being adjustable in relation to each other.

1 11. A guide for tip to transmission path contact, said guide comprising:

2 (a) a guide insulator;

3 (b) at least one passageway defined by said at least one guide  
4 insulator, each passageway having a passageway thickness;

5 (c) each passageway having a tip passageway end, said tip  
6 passageway end having a tip passageway end thickness, said tip  
7 passageway end suitable for at least partially accommodating a tip;

8 (d) each passageway having a transmission path passageway end,  
9 said transmission path passageway end having a transmission path  
10 passageway end thickness, said transmission path passageway  
11 end suitable for at least partially accommodating said transmission  
12 path; and

13 (e) said tip contacting said transmission path through said at least one  
14 passageway when said transmission path is positioned in said  
15 transmission path passageway end and said tip is positioned within  
16 said tip passageway end.

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1 12. The guide of claim 11, said tip passageway end further comprising  
2 at least one guide enhancing mechanism selected from the group consisting of:

3 (a) a funnel shaped opening; and

4 (b) an enlarged, partial funnel shaped opening.  
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1 13. The guide of claim 11 wherein said transmission path passageway  
2 end is directly opposite said tip passageway end.  
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1 14. The guide of claim 11 wherein said tip passageway end has an  
2 opening on a peripheral guide surface of said guide insulator.

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15. The guide of claim 11 wherein said at least one passageway includes a contact enhancing mechanism, said tip indirectly contacting said transmission path via said contact enhancing mechanism.

16. The guide of claim 15 wherein said contact enhancing mechanism is selected from a group consisting of:

- (a) solid contact enhancing mechanism;
- (b) combination contact enhancing mechanism; and
- (c) soft contact enhancing mechanism.

17. The guide of claim 11 including at least two passageways, said at least two passageways being adjustable in relation to each other.

18. A guide for tip to transmission path contact, said guide comprising:
- (a) at least one mounting apparatus;
  - (b) at least one divider guide insulator, said at least one divider guide insulator mountable in said at least one mounting apparatus;
  - (b) at least one passageway defined by said at least one divider guide insulator;
  - (c) each passageway having a tip passageway end, said tip passageway end suitable for at least partially accommodating a tip;
  - (d) each passageway having a transmission path passageway end, said transmission path passageway end suitable for at least partially accommodating said transmission path; and

12 (e) said tip contacting said transmission path through said at least one  
13 passageway when said transmission path is positioned in said  
14 transmission path passageway end and said tip is positioned within  
15 said tip passageway end.

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1 19. The guide of claim 18, wherein said at least one mounting  
2 apparatus and said at least one divider guide insulator are integral.

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1 20. The guide of claim 18, wherein said at least one mounting  
2 apparatus is divisible.

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